

Patent Application
Docket No. 34645-00523USPT
Ericsson No. P13987-US2

In the Claims

Claims 2-3 and 7-10 have been cancelled without prejudice.

Claims 1, 4-6, 11-12, 14 and 16-18 have been amended as follows:

1. (Currently Amended) A method of facilitating compressed message communication between a first communication entity and a second communication entity, said method comprising the steps of:
compressing, at said first communication entity, a portion of a first communication message using a first dictionary to produce a first compressed communication message;
transmitting said first compressed communication message to said second communication entity;
receiving said first compressed communication message at said second communication entity;
decompressing, at said second communication entity, said first compressed communication message using a second dictionary to reproduce said first communication message; and
adding said portion of said first communication message to said second dictionary;
compressing, at said second communication entity, a portion of a second communication message using said second dictionary to produce a second compressed communication message;
transmitting said second compressed communication message to said first communication entity;
receiving said second compressed communication message at said first communication entity;
in response to receiving said second compressed communication message, adding said portion of said first communication message to said first dictionary; and
decompressing, at said first communication entity, said second compressed communication message using said first dictionary to reproduce said second communication message; and
adding said portion of said second communication message to said first dictionary.

Claims 2-3 (Canceled)

4. (Currently Amended) The method of claim 1 2, wherein said step of transmitting said first compressed communication message and said step of transmitting said second compressed communication message comprises transmitting over a wireless interface.

5. (Currently Amended) The method of claim 1 3, said method further comprising the steps of:
compressing, at said first communication entity, a portion of a third communication message using said first dictionary to produce a third compressed communication message;
transmitting said third compressed communication message to said second communication entity;

AMENDMENT -- Page 3 of 12

Patent Application
Docket No. 34645-0623USPT
Ericsson No. PB987-US2

receiving said third compressed communication message at said second communication entity;
in response to receiving said third compressed communication message, adding said portion of said
second communication message to said second dictionary; and
decompressing, at said second communication entity, said third compressed communication message
using said second dictionary to reproduce said third communication message; and
~~adding said portion of said second communication message to said second dictionary.~~

6. (Currently Amended) ~~The method of claim 1, said method further comprising the steps of:~~
A method of facilitating compressed message communication between a first communication entity and a
second communication entity, said method comprising the steps of:
compressing, at said first communication entity, a portion of a first communication message using a
first dictionary to produce a first compressed communication message;
transmitting said first compressed communication message to said second communication entity;
receiving said first compressed communication message at said second communication entity;
decompressing, at said second communication entity, said first compressed communication message
using a second dictionary to reproduce said first communication message;
adding said portion of said first communication message to said second dictionary.
compressing, at said second communication entity, a portion of a second communication message
using a third dictionary to produce a second compressed communication message;
transmitting said second compressed communication message to said first communication entity;
receiving said second compressed communication message at said first communication entity;
adding said portion of said ~~second~~ first communication message to said ~~first~~ third dictionary;
~~receiving said second compressed communication message at said first communication entity;~~
decompressing, at said first communication entity, said second compressed communication message
using a fourth dictionary to reproduce said second communication message; and
adding said portion of said second communication message to said fourth dictionary.

Claims 7-10 (Canceled)

11. (Currently Amended) A communications device, comprising:
a receiver unit;
a transmitter unit;
a processor; and

AMENDMENT – Page 4 of 12

Patent Application
Docket No. 34645-00523USPT
Ericsson No. P13987-US2

memory having stored therein at least one dictionary and program software having instructions which, when executed by the processor, causes the communications device to:

compress, using said at least one dictionary, a portion of a communication message to obtain a compressed portion thereof;

transmit, by said transmitter unit, said communication message having the compressed portion to ~~another a second~~ communications device; and

~~add, to said at least one dictionary, the compressed portion of said communication message which was previously compressed to said at least one dictionary after receiving a reply communication message sent by the second communication device to said receiver unit upon reception, by said receiver unit, of a second communication message by said another communications device.~~

12. (Currently Amended) The communications device of claim 11, wherein said at least one dictionary comprises a first dictionary for storing said compressed portion of the communication message and a second dictionary for storing at least one compressed portion of messages the reply communication message received by said receiver unit.

13. (Original) The communications device of claim 11, wherein said communications device comprises a mobile terminal.

14. (Currently Amended) The communications device of claim 11, wherein said communications device comprises a SIP communication node base station.

15. (Original) The communications device of claim 11, wherein said another communications device comprises a mobile terminal.

16. (Currently Amended) The communications device of claim 11, wherein said another communications device comprises a SIP communication node base station.

17. (Currently Amended) A communication system for facilitating compressed message communication, said communication system comprising:

a first communication entity for sending a first communication message, said first communication entity comprising:

a first receiving means;

AMENDMENT – Page 5 of 12

a first dictionary;

a first compressor, in communication with said first dictionary, said first compressor using said first dictionary to compress a portion of a first communication message to produce a first compressed communication message; and

a first transmitting means, in communication with said first compressor, ~~said first transmitting means~~ for transmitting said first compressed communication message to a second communication entity; and

a first decompressor;

a first updating means, in communication with said first decompressor and said first dictionary, for adding said portion of said first communication message to said first dictionary after said first communication entity receives a reply message sent by the second communication entity in response to receiving the first compressed communication message; and

~~a said second communication entity, in communication with said first communication entity, for receiving said first compressed communication message; said second communication entity comprising:~~

a second first receiving means for receiving said first compressed communication message;

a second dictionary;

a first second decompressor, in communication with said second first receiving means and said second dictionary, ~~said first decompressor~~ for decompressing; said first compressed communication message using said second dictionary to reproduce said first communication message; and

a first second updating means, in communication with said second decompressor and said second dictionary, ~~said first updating means~~ for updating said portion of said first communication message to said second dictionary.

18. (Currently Amended) The communication system of claim 17, said second communication entity further comprising:

a second compressor, in communication with said second dictionary, ~~said second compressor~~ for compressing a portion of a second communication message using said second dictionary to produce a second compressed communication message; and

a second transmitting means, in communication with said second compressor, ~~said second transmitting means~~ for transmitting said second compressed communication message to said first communication entity.

Patent Application
Docket No. 34645-00523USPT
Ericsson No. P13987-US2

19. (Currently Amended) The communication system of claim 18, said first communication entity further comprising:

said first ~~a second~~ receiving means for receiving said second compressed communication message;
and

said first ~~a second~~ decompressor, in communication with said first ~~second~~ receiving means and said first dictionary, ~~said second decompressor~~ for decompressing said second compressed communication message using said first dictionary to reproduce said second communication message; and

~~a second updating means, in communication with said decompressor and said first dictionary, said second updating means updating a first one of said portion of said first communication message and said portion of said second communication message to said first dictionary.~~